

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 7,757,377  
Issued: July 20, 2010  
Name of Patentee: Seagate Technology LLC

Title of Invention: A PROCESS FOR ALIGNING A DISC MEMBER ON A ROTATABLE HUB

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 C.F.R. § 1.322(a))

1. Attached is PTO/SB/44 (also Form PTO-1050) in a form suitable for printing.
2. The exact page and line number where the errors are shown correctly in the application file are:

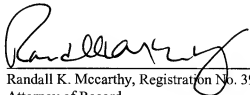
Page 2, line 2 of amendment to specification filed 3/22/07

Page 5, "In Claim 41" of Examiner's amendment included with Notice of Allowability mailed 5/13/10 (Note: claim 41 is now claim 23)

(Copies of amendments are attached for your convenience.)

3. Please send the Certificate to:

Name: Randall K. McCarthy  
Address: Fellers, Snider, Blankenship, Bailey & Tippens, PC  
100 North Broadway, Suite 1700  
Oklahoma City, OK 73102



Randall K. McCarthy, Registration No. 39,297  
Attorney of Record

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,757,377

APPLICATION NO.: 10/743,688

ISSUE DATE : July 20, 2010

INVENTOR(S) : Shawn A. Ruden, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Col. 1, line 45  
replace "a center of"  
with "from a center of."

In Col. 10, line 30  
replace "with the hub central axis"  
with "with the central axis."

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Randall K. McCarthy  
Fellers, Snider, Blankenship, Bailey & Tippens, PC  
100 North Broadway, Suite 1700  
Oklahoma City, OK 73102

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Transmission by Facsimile on March 22, 2007

PATENT  
Dkt. STL11384

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Shawn A. Ruden, Denis A. Seewald and Arthur A. Busick**  
Assignee: **SEAGATE TECHNOLOGY LLC**  
Application No.: **10/743,688** Group Art Unit: **2627**  
Filed: **December 15, 2003** Examiner: **Anthony Tugbang**  
For: **ALIGNING A DISC MEMBER ON A ROTATABLE HUB (as amended)**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE TO SECOND RESTRICTION REQUIREMENT  
MAILED FEBRUARY 22, 2007

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Sir:

Please enter the following amendments in the above referenced patent application.

Amendments to the Specification begin on page 2.

Amendments to the Claims are set forth in the Listing of Claims beginning on page 4.

Remarks begin on page 11.

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CERTIFICATION UNDER 37 C.F.R. § 1.8(a)

I hereby certify that, on the date shown below, this correspondence is being:

TRANSMISSION

☒ facsimile transmitted to the Patent and Trademark Office, (571) 273-8300.

  
Signature

Date: March 22, 2007

Diana C. Anderson  
(type or print name of person certifying)

### Amendments to the Specification

Please amend the title of the application to read as follows:

### ALIGNING A DISC MEMBER ON A ROTATABLE HUB SPLIT-FINGER BIASING TOOL

Please amend the following paragraphs in the Summary section beginning at page 2, line 3 to read as follows:

In accordance with preferred embodiments, a disc member is provided with an annular track having a track center offset from a center of the disc member. A biasing tool with at least one flexible, cantilevered finger imparts a bias force to the disc member to align the track center with a central axis of a rotatable hub. <

~~In accordance with preferred embodiments, a method, apparatus, and combination are provided for aligning an annular servo track with a center of rotation offset from a central axis of rotation of a motor hub by biasing a storage disc (disc) (upon which the annular servo track is written) adjacent the motor hub. Alignment of the center of rotation of the annular servo track with the central axis of rotation of the motor hub forms a common rotational axis for the motor hub and the annular servo track, as well as substantially offsetting a rotational imbalance of the discs for data storage devices having a plurality of discs.~~

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows.

**NOTE:** After a thorough and comprehensive review of all of the claims, the following changes were necessary to correct minor informalities with the claim language. Mainly to ensure that the claim terminology was recited consistently throughout all of the claims. These changes do not affect the scope of the claimed invention.

Claims 19 and 21 through 29 and 31 through 43 have been amended as follows.

In Claim 19, --central axis of the-- has been inserted after "axis for the" (line 11); and "the central axis" (line 11) has been changed to --a central axis--.

21. (Currently amended) The method of claim 19, wherein the disc member is characterized as a first disc member, wherein the bias force is characterized as a first bias force which is imparted upon the first disc member using the flexible cantilevered finger as a first finger of the biasing tool, and wherein the imparting step further comprises concurrently imparting a second bias force on a second disc member using a second finger of the biasing tool, the second bias force aligning a center of rotation of a second annular track on the second disc member with the central axis of the hub.

In Claim 22, --of the hub-- has been inserted after "the central axis" (line 3); and "biasing members" (line 4) has been changed to --fingers--.

In Claim 39, --rotatable—has been inserted before “hub” (line 4); --rotatable—has been inserted before “hub” (line 5); and --of the rotatable hub—has been inserted after “central axis” (line 7).

In Claim 40, “track” (line 3) has been deleted; --of the track-- has been inserted after “rotation” (line 3); “hub” (line 3) has been deleted; and --of the hub-- has been inserted after “central axis” (line 4).

In Claim 41, “hub” (line 2) has been deleted; and --of the hub-- has been inserted after “central axis” (line 3).

In Claim 42, --central axis of—has been inserted before “hub” (line 3).

43. (Currently amended) The method of claim 30, wherein [the] a center of rotation of the annular track of the disc member is offset from the central axis of the rotatable hub by a predetermined value, wherein the bias force forms a common rotational axis for the center of rotation of the hub and the center of rotation of the annular track by displacing the disc member by the predetermined value.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Dexter Tugbang whose telephone number is 571-272-4570. The examiner can normally be reached on Monday - Friday 8:15 am - 4:45 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris Banks can be reached on 571-272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.